

DIALOG(R)File 352:Derwent WPI

(c) 2002 Derwent Info Ltd. All rts. reserv.

009647026 **Image available**

WPI Acc No: 1993-340575/199343

XRPX Acc No: N93-262811

Substrate for liquid crystal display - has single crystal semiconductor film having light transmission holes on transparent substrate, and light shielding layer covering elements NoAbstract

Patent Assignee: SHARP KK (SHAF)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| JP 5249496 | A | 19930928 | JP 9284609 | A | 19920305 | 199343 B |

Priority Applications (No Type Date): JP 9284609 A 19920305

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|--------------|--------------|
| JP 5249496 | A | | 5 | G02F-001/136 | |

Abstract (Basic): JP 5249496 A: Dwg.1/4

Title Terms: SUBSTRATE; LIQUID; CRYSTAL; DISPLAY; SINGLE; CRYSTAL;
SEMICONDUCTOR; FILM; LIGHT; TRANSMISSION; HOLE; TRANSPARENT;
SUBSTRATE; LIGHT; SHIELD; LAYER; COVER; ELEMENT; NOABSTRACT

Derwent Class: P81; U14

International Patent Class (Main): G02F-001/136

International Patent Class (Additional): H01L-027/12; H01L-029/784

File Segment: EPI; EngPI

DIALOG(R)File 347:JAPIO

(c) 2002 JPO & JAPIO. All rts. reserv.

04257796 **Image available**

SUBSTRATE FOR LIQUID CRYSTAL DISPLAY AND ITS PRODUCTION

PUB. NO.: 05-249496 [JP 5249496 A]

PUBLISHED: September 28, 1993 (19930928)

INVENTOR(s): MATSUNAMI MITSUO

MORITA TATSUO

MIYAJIMA TOSHIAKI

TSUCHIMOTO SHUHEI

APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 04-084609 [JP 9284609]

FILED: March 05, 1992 (19920305)

INTL CLASS: [5] G02F-001/136; H01L-027/12; H01L-029/784

JAPIO CLASS: 29.2 (PRECISION INSTRUMENTS -- Optical Equipment); 42.2
(ELECTRONICS -- Solid State Components)

JAPIO KEYWORD:R011 (LIQUID CRYSTALS); R097 (ELECTRONIC MATERIALS --

Metal Oxide Semiconductors, MOS); R119 (CHEMISTRY -- Heat Resistant

Resins); R124 (CHEMISTRY -- Epoxy Resins)

JOURNAL: Section: P, Section No. 1670, Vol. 18, No. 7, Pg. 69, January
07, 1994 (19940107)

ABSTRACT

PURPOSE: To obtain TN system or the like having high contrast even in a structure using a single crystal semiconductor thin film.

CONSTITUTION: This liquid crystal display substrate is used for an active matrix liquid crystal display, comprising a plastic transparent plate 30 and a single crystal silicon film 10 having a hole 18 to transmit light on the rear surface of the plate 30. On the single crystal silicon film 10, MOB transistor .alpha. is formed as one structural component of the liquid crystal driving circuit. A metal film 50 as a light shielding layer is formed between the MOS transistor .alpha. and the plastic transparent plate 30 to cover the MOS transistor .alpha..